



CERTIFICATE OF ANALYSIS

Recombinant Collagenase HI, Catalog # 001-4010

For Research Use Only

Product: Aseptically dispensed mixture of purified Class 1 Collagenase and Class 2 Collagenase expressed in *E. coli*

Lot # 261180726	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Total Wünsch Activity ¹	> 1,400 Units/bottle	1,694 Units/bottle
Endotoxin EU/mg protein ²	Not yet established	13.0 EU/mg
Total Collagen Degrading Activity ³	Report Only	19,765,311 Units/bottle
Total Protein ⁴	Report Only	392.2 mg/bottle

STORAGE: < -20°C

DATE OF MANUFACTURE: 26 Jul 2018

EXPIRY DATE: Jul 2020

Signature:

Andrew Breite, Director of Quality Assurance

3 Oct 2018

¹ Wünsch E, Heidrich H-G. Zur quantitativen bestimmung der kollagenase. *Hoppe-Seyler's Zeitschrift Physiologische Chemie* 333 (1963);149-151

² Charles River Endosafe® PTS Endotoxin Assay

³ McCarthy RC, et. al. Development and Characterization of a Collagen Degradation Assay to Assess Purified Collagenase Used in Islet Isolation. *Transplantation Proceedings* 40 (2008); 339-342

⁴ Based on absorbance at 280 nm using an extinction coefficient of $\epsilon=1.41$